BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Estimate for Providing C C Camera at Garbage Block Sports in Ward No. 06.

Estimate Cost: 1000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Outdoor PLZ IP Cameras with 20 X optical zoom with controller along with suitable mounting system (PTZ Pan Tilt and Zoom feature is availbale in this camera can be contolled by the software for pan Tilt and zoom feature at the contol center and can be programmed to view at different angles and zoom level continuosly. It operates at day and night and the viewing distance at clarity is about 100 metres	Nos							
	Approved Data Rate								
	In Ward limits		1				1.00		
							1.00	78462.00	**78462.00**
	Total	78462.00							
2	Bracket (Corner Mount / Pole Mount/ Wall Mount) for mounting the PTZ camera.	Nos							
	Approved Data Rate								
	In Ward limits		6				6.00		
							6.00	4267.00	**25602.00**
	Total	4267.00							
3	Outdoor 50 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 50 metres)	Nos							
	Approved Data Rate								
	In Ward limits		6				6.00		
							6.00	21160.00	**126960.00**
	Total	21160.00							
4	Bracket and weatherproof Installation kit for 50 Meter IP Camera	Nos							
	SR Page no 15, Item no 4.18								
	Approved Data Rate								
	In Ward limits		6				6.00		
							6.00	1545.00	**9270.00**
	Total	1545.00							
5	Outdoor 30 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 30 metres)	Nos							
	Approved Data Rate								
	In Ward limits		6				6.00		
							6.00	15260.00	**91560.00**
	Total	15260.00							
6	Bracket and weatherproof Installation kit for 30 Meter IP Camera	Nos							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Approved Data Rate								
	In Ward limits		6				6.00		
							6.00	1491.00	**8946.00**
	Total	1491.00							
7	32 Channel NVR DS 7732 NI- E4 (with 4 Sata Option) the control box and the recording device to connect upto 32 devices, can be cascaded to provide additional cameras	Nos							
	Approved Data Rate								
	In Ward limits		1				1.00		
							1.00	66982.00	**66982.00**
	Total	66982.00							
8	12 TB NAS Box for Back up (NET GEAR) provides storage for the recorded data for quick view back and storage	Nos							
	Approved Data Rate								
	In Ward limits		1				1.00		
							1.00	257420.00	**257420.00**
	Total	257420.00							
9	4 TB SATA for storage and fitted in the NVR Device for storage	Nos							
	Approved Data Rate								
	In Ward limits		2				2.00		
							2.00	22850.00	**45700.00**
	Total	22850.00							
10	A suitable sheet metal control panel to house site Equipments (Weather Proof) The power supply and the ethernet connectivity adaptor is stored in this box	Nos							
	Approved Data Rate								
	In Ward limits		12				12.00		
							12.00	1526.00	**18312.00**
	Total	1526.00							
11	Power supply for the camera.	Nos							
	Approved Data Rate								
	In Ward limits		12				12.00		
							12.00	461.00	**5532.00**
	Total	461.00							
12	Ethernet Switch for connectivity to Internet and Camera	Nos							
	Approved Data Rate								
	In Ward limits		12				12.00		
							12.00	950.00	**11400.00**
	Total	950.00							
13	Supply & Laying of Network and Power Cables from Camera to the control Box	Nos							
	Approved Data Rate								
	In Ward limits		9				9.00		
							9.00	389.00	**3501.00**
	Total	389.00							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	Video Manager Application Software for Display and Management of Camera on Video Display	Nos							
	Approved Data Rate								
	In Ward limits		6				6.00 6.00	20000.00	120000.00
	Total	20000.00							
15	Installation, Erection & commissioning charges	Nos							
	Approved Data Rate								
	In Ward limits		6				6.00 6.00	5060.00	30360.00
	Total	5060.00							
									900007.00
	Sub Total								90001.00
	KRIDL Charges @ 10%								9000.00
	Labour Cess @ 1%								992.00
	Miscellaneous							Total	1000000.00

Rupees Ten Lakh(s) Only

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per Approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No 106
B.B.M.P. Byatarayanapura Sub Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
07/06

ADMINISTRATIVE APPROVAL
Accorded For Rs. Ten lakhs only
A/c P-3110
Lr. No. 18/18-19 Date 07/06/18
07/06
EE(BTP)

TECHNICAL SANCTION
Accorded For Rs. Ten lakhs only
Head of A/c P-3110
Dev. Ref. No. 21/18-19 Date 07/06/18
07/06
AE
EE(BTP)